

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-87. (Cancelled)

88. (New) An electroluminescent device comprising:

a first charge carrier injecting layer for injecting positive charge carriers;
a second charge carrier injecting layer for injecting negative charge carriers; and
a light-emissive layer located between the charge carrier injecting layers and

comprising:

a first component for accepting positive charge carriers from the first charge carrier injecting layer;

a second component for accepting negative charge carriers from the second charge carrier injecting layer; and

a third, organic light-emissive component for generating light as a result of combination of charge carriers from the first and second components;

the first, second and third components being combined into a single molecule; and

at least one of the first, second and third components forming a type II semiconductor interface with another of the first, second and third components.

89. (New) An electroluminescent device as claimed in claim 88, wherein the first, second and third components are combined into a single polymer.

90. (New) An electroluminescent device as claimed in claim 89, wherein the third component is provided as a pendant group of a polymer chain of the first and/or second components.

91. (New) An electroluminescent device as claimed in claim 89, wherein the first and/or second components are provided as one or more pendant groups of a polymer chain of the third component.

92. (New) An electroluminescent device as claimed in claim 88, wherein all of the first, second and third components form type II semiconductor interfaces with the others of the first, second and third components.

93. (New) An electroluminescent device as claimed in claim 88, wherein the optical gap of the third component is greater than 1.8 eV.

94. (New) An electroluminescent device as claimed in claim 88, wherein the first component is capable of accepting positive charge carriers from the first charge carrier injecting layer and contains amine groups.

95. (New) An electroluminescent device as claimed in claim 88, wherein the second component is F8.

96. (New) An electroluminescent device as claimed in claim 88, wherein the first component has a LUMO energy level between the LUMO energy levels of the second and third components.

97. (New) An electroluminescent device as claimed in claim 88, wherein the third component is PFM.

98. (New) An electroluminescent device as claimed in claim 88, wherein the optical gap of the third component is less than the optical gaps of the first and second components.

99. (New) An electroluminescent device as claimed in claim 88, wherein the third component is F8BT or a soluble PPV.

100. (New) An electroluminescent device as claimed in claim 88, wherein at least one of the first, second and third components is an organic material.

101. (New) An electroluminescent device as claimed in claim 89, wherein the polymer is a conjugated polymer.

102. (New) An electroluminescent device as claimed in claim 88, wherein the first charge carrier injecting layer is a positive charge carrier transport layer which is located between the light-emissive layer and an anode electrode layer.

103. (New) An electroluminescent device as claimed in claim 102, wherein the first charge carrier injecting layer forms a type TI semiconductor interface with the light-emissive layer.

104. (New) An electroluminescent device as claimed in claim 88, wherein the first charge carrier injecting layer is an anode electrode layer.

105. (New) An electroluminescent device as claimed in claim 102, wherein the anode electrode layer has a workfunction greater than 4.3 eV.

106. (New) An electroluminescent device as claimed in claim 88, wherein the second charge carrier injecting layer is a negative charge carrier transport layer which is located between the light-emissive layer and a cathode electrode layer.

107. (New) An electroluminescent device as claimed in claim 106, wherein the second charge carrier injecting layer forms a type II semiconductor interface with the light-emissive layer.

108. (New) An electroluminescent device as claimed in claim 88, wherein the second charge carrier injecting layer is a cathode electrode layer.

109. (New) An electroluminescent device as claimed in claim 106, wherein the cathode electrode layer has a workfunction less than 3.5 eV.

110. (New) An electroluminescent device as claimed in claim 102, wherein the anode electrode layer is light transmissive.

111. (New) An electroluminescent device as claimed in claim 106, wherein the cathode electrode layer is light transmissive.